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Notice of Allowability

Application No.

10/808,043

Examiner

Carlos A. Martinez

Applicant(s)

COOK ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to papers filed thorough 11/21/2006.
2. ☒ The allowed claim(s) is/are 1-19.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Election/Restrictions

1. This application is in condition for allowance except for the presence of claims 20-28 directed to invention non-elected without traverse. Accordingly, claims 20-28 been cancelled.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: ***Claims 20-28 have been cancelled.***

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance of claims 1-19:

With respect to claim 1, the prior art does not teach an optical scanner for installation into an electrophotographic device comprising: a laser configured to emit a laser beam; laser optics arranged to sweep said laser beam along a non-ideal laser beam scan path; and scanner circuitry comprising: a first interface operatively configured to communicate with a controller in a corresponding electrophotographic device to which said optical scanner is installed; *and a*

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memory device having stored thereon, data that characterizes said laser beam scan path, wherein said data is communicated to said controller through said first interface after installation of said optical scanner in said corresponding electrophotographic device such that electronic compensation of said laser beam scan path is preformed by said electrophotographic device during imaging operations based upon said data.

With respect to claim 11, the prior art does not teach an optical scanner for installation into an electrophotographic device comprising: a laser configured to emit a laser beam; laser optics arranged to sweep said laser beam across an associated photoconductive surface of said electrophotographic device; and scanner circuitry comprising: a first interface operatively configured to communicate with a controller in a corresponding electrophotographic device to which said optical scanner is installed; *and a memory device having a plurality of storage locations thereon, wherein after installation of said optical scanner in said corresponding electrophotographic device, said controller reads operational parameters from said memory device for performing electronic compensation of non-ideal laser beam characteristics, and said controller writes operational parameters related to the operation of said electrophotographic device to said memory device using said first interface.*

With respect to claim 14, the prior art does not teach an optical scanner for installation into an electrophotographic device comprising: a laser configured to emit a first laser beam and a second laser beam; laser optics arranged to sweep said first laser beam across an associated photoconductive surface of said electrophotographic device; a photodetector configured to

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measure the intensity of said second laser beam; and scanner circuitry comprising: a first interface operatively configured to communicate with a controller in a corresponding electrophotographic device to which said optical scanner is installed; *and a memory device having stored thereon, first data that characterizes laser beam power parameters based upon measurements taken by said photodetector before said optical scanner is installed in said corresponding electrophotographic device, wherein said first data is communicated to said electrophotographic device through said first interface and said electrophotographic device performs electronic compensation based upon said first data after said optical scanner is installed in said corresponding electrophotographic device.*

With respect to claim 19, the prior art does not teach an optical scanner for installation into an electrophotographic device comprising: a laser configured to emit a laser beam; laser optics arranged to direct said laser beam towards an associated imaging medium of said electrophotographic device; and scanner circuitry comprising: a first interface operatively configured to communicate with a controller in a corresponding electrophotographic device to which said optical scanner is installed; *and a memory device having: a plurality of addressable storage locations partitioned into identification, history, and manufacturing sections wherein: said identification section comprises data stored therein that uniquely identifies said optical scanner; said history section comprises storage locations that can be written to and read by said electrophotographic device to store data related to operating parameters of said electrophotographic device; and said manufacturing section comprises data recorded in said memory device during manufacturing that characterizes said optical scanner such that after said*

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optical scanner is installed in said corresponding electrophotographic device, said electrophotographic device implements adjustments to compensate for laser beam scan path characteristics unique to said optical scanner.

With respect to claims 2-10, these claims are allowable since they depend on an allowable independent claim (claim 1). Also, claims 12 and 13 are allowable since they depend on an allowable independent claim (claim 11). Further, claims 15-18 are allowable since they depend on an allowable independent claim (claim 14).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Specification/Drawings

4. The correction made to the specification/drawings was received on 11/21/2006. It is noted that the correction to the specification/drawings was acceptable.

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Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos A. Martinez whose telephone number is (571) 272-8349. The examiner can normally be reached on 8:30 am - 5:00 pm (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, STEPHEN D. MEIER can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CAM
12/07/2006


HAI PHAM
PRIMARY EXAMINER